APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880040-5

Atomic Structure of Some Metallic Compounds of Bismuth, by G. S. Zhdanov, 23 pp. UNCLASSIFIED

RUSSIAN, per, Trudy Inst Kristallog Ak Nauk SSSR, No 10, 1954, pp 99-116.

Sci Mus Lib Tr 57/4339

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880040-5

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Thermal Constants of α-Aluminium Oxide, by
A. G. Chentsova.

RUSSIAN, per, Trudy Instituta Kristallografii,
No 8, 1955, pp 21-26.

Co-Op Tr Sch 198
£1.10s. (6s.0d.)

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Electron Diffraction Investigation of the System Cadmium - Tellurium, by S. A. Semiletov,

RUSSIAN, per, Trudy Inst Krist Ak Nauk SSSR, Vol XI, 1955, pp 121-123.

AEC TT-866

Sci - Phys

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880040-5

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Melankholin, N. M.
NEW APPARATUS FOR THE OPTICAL ORIENTATION OF A QUARTZ PEBBLE. [1962] 7p.
Order from OTS or SLA $1.10 62-16428

Trans. of Akademiya Nauk SSSR. Institut Kristallografii. Trudy, 1955, v. 11, p. 239-242.

DESCRIPTORS: *Quartz, Crystals, *Crystalholders, Piezoelectric crystals, *Optical analysis.

(Physics--Solid State, TT, v. 8, no. 10)

62-16428

I. Melankholin, N. M.

Office of Technical Services

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The Dependence of the Creep Strength of the Single Crystals of TlBr + TlI Upon the Deformation Rate and the Temperature, by V. R. Regel', G. E. Tomilovskiy, 13 pp.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Kristall, Vol XII, 1956, pp 158-164. 9089602, 9066963

AEC UCRL Tr-837

Sci - Chem
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Growth of Silicon Carbide Crystals From the Gaseous Phase, by Yu. M. Shashkov, V. V. Rozhdestvenskaya.
RUSSIAN, per, Trudy Inst Kristallografii, Ak Nauk SSSR, Vol IV, 1964, pp 117-121.
*TTD-M-65-476

Sci - M/M
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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880040-5

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Crystallization of Alkaline-Earth Molybdates Under Hydrothermal Conditions, by B. N. Litvin, L. N. Dem'yanets. RUSSIAN, per. Trudy Inst Kristallografii, Ak Nauk SSSR, Vol IV, 1964, pp 162-167. *FTD-MT-65-476

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X-Ray Study of the Structure of Anoscvite and of a New Isomorphous Series of Double A_2BO_5 Oxides, by A. Rusakov, G. Zhdanov.
RUSSIAN, per, Trudy Instituta Krystallografii Akademii Nauk SSSR, No 9, 1964, pp 165-210
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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880040-5

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Swelling of Wood, by P. N. Odintsov.

RUSSIAN, per, Trudy Ak Nauk Latviyskor SSR, Inst Lesokhov Prob, Vol XII, 1957, pp 45-56.

*PL-480
OTS 63-11082
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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880040-5

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Hymenoptera Chrysididae of Tadzhikistan, by
Semenov-Tian-Shanskii, V. V., M. N. Nikol'skaja.

RUSSIAN, per, Trudy Inst Leningrad Ak Nauk SSSR,
Vol XV, 1954, pp 89-137.

*OTS 64-11081
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A System of the Tribe Hedychrini Hoscs and Descriptions of New Species, by V. V. Semenov-Tian-Shanskiik.

RUSSIAN, per, Trudy Inst Leningrad Ak Nauk SSSR, Vol XV, 1954, pp 138-145.

*OTS 64-11082
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Comparative Evaluation of Methods for the Determination of Se in Chrome Nickel Steels, by A. S. Andreev.
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*BISI 4141

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The Effect of Aminazine on the Functions of the Gastro-Intestinal Tract, by A. Ye. Aleksandrova.
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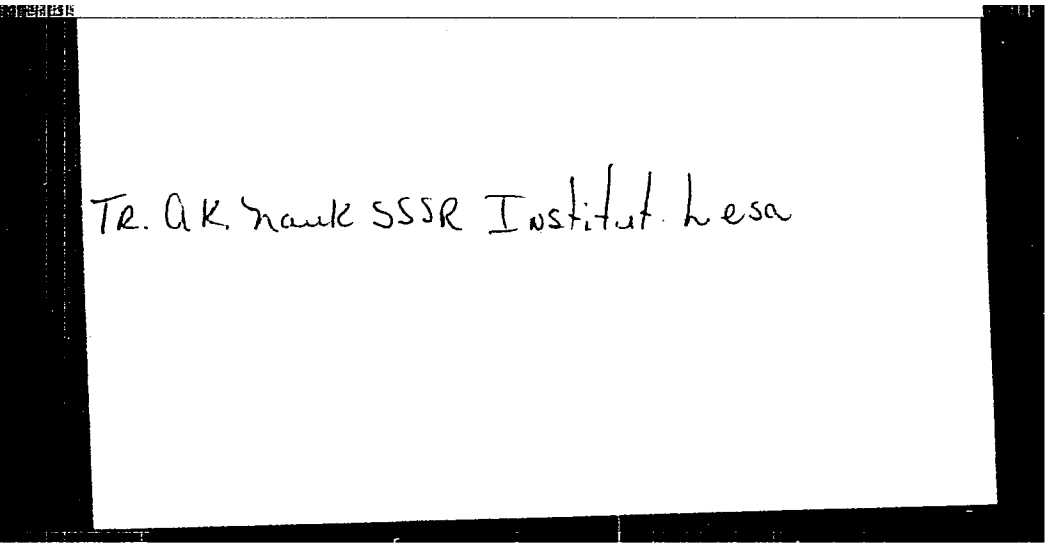

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Pravdin, L. F.
THE PRESENT STATE OF TREE SELECTION AND SEED-GROWING AND METHODS FOR THEIR DEVELOPMENT (Sovremennoe Sostoyanie i Puti Razvitiya Selektsii Drevesnykh Porod i Lesnogo Semenovedenia). [Jan 62] 42p. 136 refs. PL-480 Agr. Order from OTS $0.50 60-21910

Trans. of Akademiya Nauk SSSR. Institut Lesa. Trudy, 1951, v. 8, p. 5-35.

DESCRIPTORS: *Trees, Selection, *Seeds, Growth, Genetics, Production.

(Agriculture--Plant Cultivation, TT, v. 7, no. 6)

60-21910

I. Pravdin, L. F.
II. PL-480 Agr (60-21910)
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The Present State of Tree Selection and Seed-Growing and Methods for Their Development, by L. F. Pravdin, 42 pp.

RUSSIAN, per, K Trudy Instituta Lese AK Nauk SSSR, Vol VIII, 1951, pp k 5-35. 9099716

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Sci - Biol

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The Breeding of Forest Trees in Uzbekistan, by V. M. Rovskii, 20 pp.
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CFSTI TT 67-51304

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Structure and Physicochemical Properties of Syringa- and Guaiacyl of Oak, by V.P. Vikhrov, 11 pp. RUSSIAN, per. Akademiya Nauk SSSR. Trudy Instituta Lesa, Vol. 9:29-38. 1953. UDC 64-11070

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RUSSIAN, per, Trudy Inst Lesa Akad Nauk SSSR, Vol IX, 1953, pp 236-249.

UKSM Ref C-2210

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880040-5

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Testing Compression Strength of Wood Across the Grain, by V. A. Bazhenov, L. M. Perelygin, Ye. A. Semenova, 22 pp. 9080444

RUSSIAN, per, Trudy Inst lesa, Ak Nauk SSSR, Vol IX, 1953, pp 315-331.

OTS 60-51131
FL 480

Sci - Chem
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PST No 163

166, 788

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880040-5

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Approximate Graphical Determination of the Boundary Between Two Deformation Regions in Wood Testing-Machine Diagrams, by Yu. M. Ivanov, 7 pp. 9079581

RUSSIAN, per, Trudy Inst Lesa, Ak Nauk SSSR, Vol IX, 53, pp 332-336.

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BL-480

Sci - Phys
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AST No 164

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880040-5

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Relaxation and Creep of Natural and Densified Wood Under Compression, by P. Khukhryanskiy.

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CSIRO Tr 4802

Sci - Chem

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PL-480 150,522
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Resistance of Pinewood to Compression at Different
gles to the Grain, by Yu. M. Ivanov, 34 pp.
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953, pp 347-370.

OTS 61-11424
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1 - Biol
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BT No 168

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880040-5

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Vakin, A. T.
PHYTOPATHOLOGICAL CONDITION OF OAK GROVES IN THE TELLERMAN FOREST (Fitopatologicheskoe Sostoyanie Dubrav Tellermanovskogo Lesa). 1961, 6p. PL-480 Agr.
Order from OTS $0.50 60-51020

Trans. of Akademiya Nauk SSSR. Institut Lesa. Trudy, 1954, v. 16, p. 5-9.

DESCRIPTORS: *Plants, *Pathology, *Trees, Forestry, Fungi, Insects, Mildew.

(Agriculture--Plant Cultivation, TT, v. 7, no. 4)

60-51020

I. Vakin, A. T.
II. PL-480 Agr (60-51020)
III. National Science Foundation, Washington, D. C.

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880040-5

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Shumanov, E. A.
DISEASES AND INJURIES IN YOUNG OAKS IN THE BORISOGLEBSK FOREST AREA (K Voprosu o Boleznyakh i Povrezhdeniyakh Molodogo Duba v Borisoglebskom Lesnom Massive). 1961, 23p. 29 refs.
PL-480 Agr.
Order from OTS $0.50 60-51011

Trans. of Akademiya Nauk SSSR. Institut Lesa. Trudy, 1954, v. 16, p. 110-128.

DESCRIPTORS: *Trees, *Diseases, Botany, Mildew, *Fungi, Wasps, Beetles, Moths, *Rodents, Mice, Rabbits, Grasses, Injuries, *Insects, Forestry, Pathology.

See also 60-51020

(Agriculture--Plant Cultivation, TT, v. 7, no. 4)

60-51011

I. Shumanov, E. A.
II. PL-480 Agr (60-51011)
III. National Science Foundation, Washington, D. C.

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Shtraukh-Valeva, S. A.
WOUND ROTS OF STEMS OF CAUCASIAN FIR (Ranevye Gnili Stvolov Kavkazskoi Pikhty). [Nov 61] 13p. 14 refs. PL-480 Agr.
Order from OTS $0.50 60-51006

Trans. of Akademiya Nauk SSSR Institut Lesa. Trudy, 1954, v. 16, p. 336-346.

DESCRIPTORS: *Plants, *Trees, *Fungi, *Pine, *Diseases, Microorganisms, Parasites, *Ecology, Histology

A study was made of the flora of wound rot fungi, and the composition of fungi causing brown rots in Caucasian fir. Isolations were made from 55 specimens, of which 20 yielded mixed cultures of fungi and bacteria, while 12 yielded only bacteria.

(Biological Sciences--Botany, TT, v. 7, no. 2)

60-51006

I. Shtraukh-Valeva, S. A.
II. PL-480 Agr (60-51006)
III. National Science Foundation, Washington, D. C.

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The Biological Bases of the Flowering and Fruit Bering in Oak, Ye. G. Minina.
RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Lesa,
Vol 17, 1954, pp 5-97.
*CFSTI TT 70-57225

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The Biological Cycle of Nitrogen and Ash Elements in Forest Plantation, by N. P. Remezov, K. M. Bykova, et al.28 p. RUSSIAN, per, Trudy Instituta Lesa Akademiya Nauk SSSR, Vol 24, 1955, pp 167-194.
*CFSTI TT 66-51125

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Studies on Forest Growth Conditions on Peat-Bog Soils of the Forest Zone and the Tundra, by N. I. Pjavcenko.

RUSSIAN, per, Trudy Inst Lesa, Ak Nauk SSR, No 36, 1957,186 pp.

*PL-480
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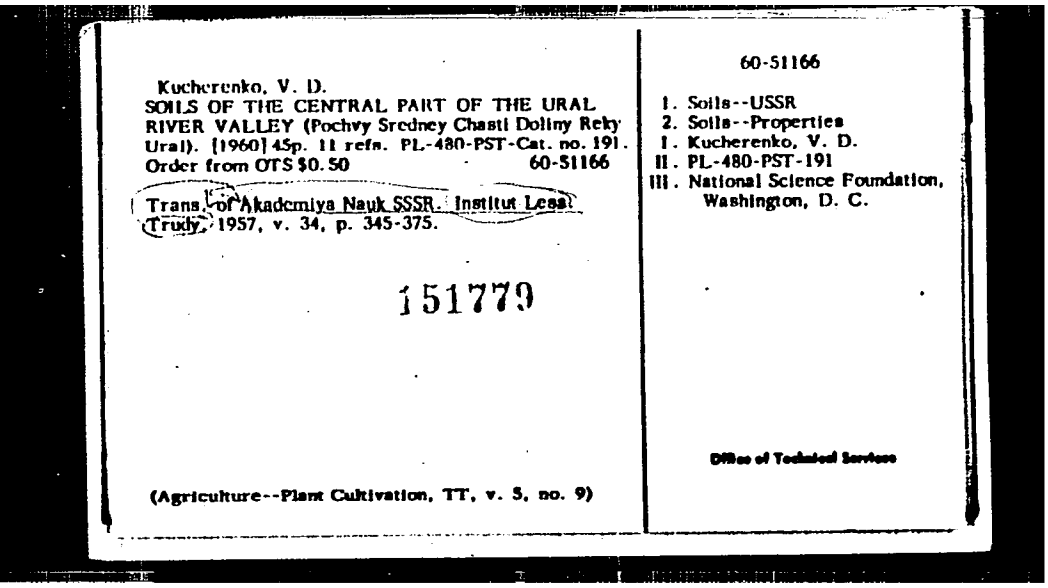

Kucherenko, V. D.
SOILS OF THE CENTRAL PART OF THE URAL RIVER VALLEY (Pochvy Sredney Chasti Doliny Reky Ural). [1960] 45p. 11 refs. PL-480-PST-Cat. no. 191.
Order from OTS $0.50 60-51166

Trans. of Akademiya Nauk SSSR. Institut Lesa. Trudy, 1957, v. 34, p. 345-375.

151779

(Agriculture--Plant Cultivation, TT, v. 5, no. 9)

60-51166

1. Soils--USSR
2. Soils--Properties
I. Kucherenko, V. D.
II. PL-480-PST-191
III. National Science Foundation, Washington, D. C.

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On the Theory of Forest Improvement Cuttings,
by V. P. Timofeev, 280 pp.
RUSSIAN, per, Trudy Inst Lesa, Ak Nauk SSSR,
Vol XXXVII, 1958, pp 46-66. 9221972
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The Interrelations Between Density of Stocking. Grown Closure, and the Number of Trees in the Stand, by P. Sarma.

RUSSIAN, per, Trud Inst Lesoz, No 14, 1958, pp 251-259.

*PL 480
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Studies on Forest Growth Conditions on Peat-Bog Soils of the Forest Zone and the Tundra, by N. I. Pyavchenko.

RUSSIAN, per, Trudy Inst Lesa, No 36, 186 pp.

*PL-480

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880040-5

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880040-5

Vasil'ev, V. N.
THE BAIKAL-SAYAN REGION AS ONE OF THE MAIN RECENT CENTERS OF FORMATION OF THE GENUS BETULA L. (Baikalo-Sayanskaya Oblast' kak Odin iz Glavneishikh Pozdnikh Tsentrov Formirovaniya Roda Betula L.). 1961, 24p. 10 refs. PL-480 Agr.
Order from OTS $0.50 60-51021

Trans. of Akademiya Nauk SSSR. Institut Lesa. Trudy, 1958, v. 37, p. 120-141.

DESCRIPTORS: *Trees, Growth, *Classification, Genetics, Ecology, Asia.

This survey of birches occurring in the Baikal-Sayan region shows that almost all the large genetic series found in the Soviet Union, with the exception of the group of Central Asiatic species (Series Turkestanicae) are represented within the region's boundaries. (Author)
(Biological Sciences--Botany, TT, v. 7, no. 4)

60-51021

I. Title: Birch
I. Vasil'ev, V. N.
II. PL-480 Agr (60-51021)
III. National Science Foundation, Washington, D. C.

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880040-5

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1958, pp 138-151.
OTS 64-11067
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Sci - Agri
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Transpiration of Trees and Grasses in the Central Taiga Zone and its Relation to Meteorological Conditions, by I. V. Guildova. RUSSIAN, per., Akademiya Nauk SSSR, Trudy Instituta Lesa, Vol 41, 1958, pp 111-121. CFSTI TT 65-50051

Sci/Agri
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THE INCREASE OF PRODUCTIVITY OF SWAMPED FORESTS (Povyshenie Produktivnosti Zabolochennykh Lesov) tr. by A. Birron and Z. S. Cole. Symposium papers from a conference held in Moscow, 9-12 Dec 57. 1963, 153p. 102 refs. PL-480 Agr.
Order from OTS $1.50 61-31225

Trans. of Akademiya Nauk SSSR. Institut Lesa. Trudy, 1959, v. 49, 176 pp.

DESCRIPTORS: *Swamps, Trees, *Forestry, *Drainage, Decomposition, Growth, *Soils, Soil mechanics, *Bacteria, Roads, Railroads, Hydrology, Effectiveness, *Transportation, *Aerial photography, Mechanical engineering, *Agriculture, *Mosses, Inhibition, Economics

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1. Title: Estonia
2. Title: Latvia
I. PL-480 Agr (61-31225)
II. National Science Foundation, Washington, D. C.

Office of Technical Service.

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880040-5

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Applying Biological Methods for Regulating Water Conditions in Areas Undergoing Swamp Formation, by A. A. Molchanov.

RUSSIAN, bk, Trudy Inst Lesa, Vol XLIX, 1959, pp 45-53.

*FL 480
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Study of Timber Swelling, by Yu. Ivanov.
RUSSIAN, per, Trudy Instituta Lesa Ak Nauk SSSR,
No 51, 1962, pp 91-106.
CSIRO/No 6463

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880040-5

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Comparative Anatomical Analysis of the Nature Wood of Roots and Stems of Some Woody Plants, by L. A. Lebendenko.

RUSSIAN, per, Trudy Inst Lesa Ak Nauk SSSR, Vol LI, 1962, pp 124-134.

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Elongation and Longitudinal Shrinkage of Timber During Swelling, by Yu. Ivanov.
RUSSIAN, per, Trudy Instituta Lesa Ak Nauk, xxSSSR, No 51, 1962, pp 107--119.
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Sci-Mat/Met
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NLL Rf: 9022.093 1963 (6462)
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JPRS 20085

SCI - AGRI
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*PL-480

OTS 65-50039

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R-6042-D
12 Oct 65

Determination of Mean Effective Thermal Coefficients of Wood.
By: B. S. Cudinov
From: TRUD. INST. LES. 65: 48-65, 1963 (8 pp)

Russian - est for wds:

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Physiology of Woody Plants of Siberia, by
N. A. Khlebnikova and Others,
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Density of Pine Plantations and its Biological and Silvicultural Significance,
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SWELLING OF LIGNIN (Nabukhanie Lignina). [1961] [34]p. (foreign text included) 14 refs.
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Trans. of Akad[emiya] Nauk Latv[iiskoi] SSR [Riga]. Inst[itut] Lesokhoz[yaistvennykh] Problem. Trudy, 1959, v. 17, p. 3-14.

DESCRIPTORS: *Lignin, *Wood, *Hydrolysis, Mechanical properties, Water, Organic solvents, Solvent action, Sulfuric acid, Carbohydrates, Chemical reactions.

(Materials-Wood, TT, v. 9, no. 2)

61-20833

I. Odintsov, P. N.

Office of Technical Services

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Pinsker, I. Sh.
THE REPRESENTATION OF THE FUNCTIONS OF MANY VARIABLES, BY MEANS OF ADDERS, MULTIPLIERS, AND SIMPLEST FUNCTIONAL DEVICES. [1961] [22]p. 5 refs.
Order from OTS or SLA $2.60 61-16756

Trans. of [Akademiya Nauk SSSR]. In[stitut] Mashinovedeniya. Trudy, 1955 [v. 15?] no. 8, p. 35-51.

DESCRIPTORS: *Functions, Numerical analysis, Curve fitting, Errors, Analog computers, Digital computers, Computers, Scheduling.

The author is motivated by problems of function generation by mechanical or electronic analog. The section on quadratic interpolation of a function of many variables should be of interest to those faced with problems of function generation. Two numerical examples are presented. (Translator)

61-16756

I. Pinsker, I. Sh.

(Mathematics, TT, v. 7, no. 10)

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Korobochkin, B. L..
THE COEFFICIENT OF EFFICIENCY AND POWER CONSUMPTION IN THE HYDRAULIC FOLLOWER SYSTEMS OF COPYING DEVICES (O Koeffitsiente Poleznogo Deystviya i Raskhode Moshchnosti v Gidravlicheskikh Sledyashchikh Sistemakh Kopiroval'-nykh Ustroystv). Mar 60, 17p. (8 figs. omitted) 4 refs. M1756.
Order from LC or SLA mi$2.40, ph$3.30 61-13088

Trans. of [Akademiya Nauk SSSR]. Inst[itut] Mash[inovedeniya]. Trudy, 1959, v. 19, no. 75, p. 16-30.

The principal relations are expounded for determining the power consumption in hydraulic follower systems depending on their mode of operation. A comparison of power consumption in different systems shows that, from the point of view of power consumption, the most profitable systems are those with a non-differential cylinder. (Author)
(Machinery, Fabrications and Accessory Equipment, TT, v. 5, no. 7)

61-13088

1. Hydraulic systems--Performance
2. Title: Copying devices
3. Title: Follower
I. Korobochkin, B. L.
II. DSIR LLU M.1756

148,698

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Distribution of Stresses and Strains in Plane Notched Rods in Connection with Volumetricity of Stressed State, by V. S. Zhukovskiy, UNCL

Trudy AK Nauk

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Vibration Proofing of Dynamically Unballanced Machines Mounted on Elastic Beams, by L. I. Shteinvol'f.

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Representation of Function of Many Variable by Using Adders, Multipliers and the Simplest Fundamental Apparatus, by I. S. Pinsker, 17 pp.

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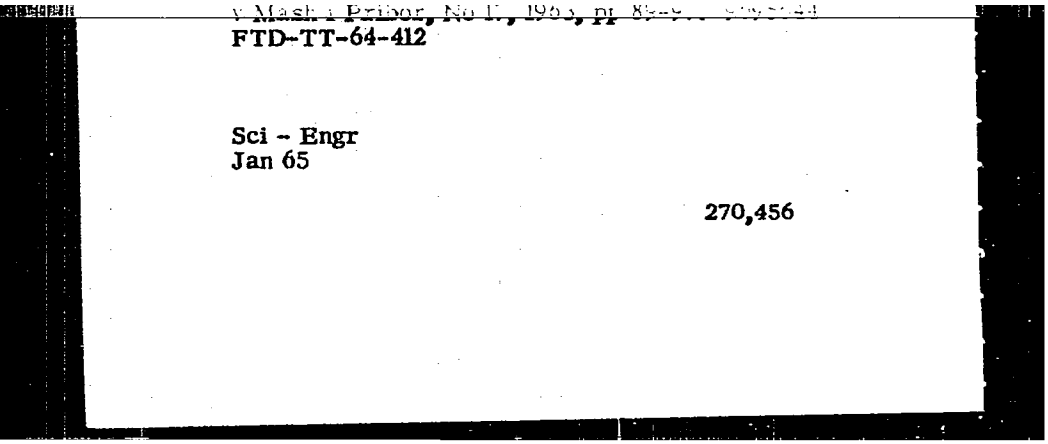

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Stability of Nonuniformly Heated Plates, by
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Sci - Engr
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Gutyar, Ye. M.
BASIC THEORY OF A VERTICAL SCREW CONVEYOR (Elementarnaya Teoriya Vertikalnogo Vintovogo Transportera) tr. by W. Linnard. [1960] [18]p. NIAE Trans. 84: M 1409.
Order from LC or SLA mi$2.40, ph$3.30 60-23032

Trans. of Institut Mekhanizatsii i Elektrifikatsii Sel'skogo Khozyaystva. Trudy (USSR) 1956, no. 2, p. 102-122.

A simplified theory is presented for calculations, on vertical augers, and for horizontal augers. The calculations are suitable for an auger, the surface of which is formed by the movement of a radius normal to the auger's axis.

(Machinery--Transport, TT, v. 5, no. 9)

60-23032

I. Conveyors--Theory
I. Gutyar, Ye. M.
II. NIAE Trans-84
III. DSIR LLU M.1409
IV. National Inst. of Agricultural Engineering (Gr. Brit.)

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Stress State of a Rotating Conical Shell With a Thick Wall Which Changes Linearly, by A. D. Kovalenko, 32 pp. RUSSIAN, per, Trudy Inst Mekh, Inzhen Sbornik, Ak Nauk SSSR, Vol IX, 1951, pp 143-166. P100063466
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Investigation of Normal Drainage of Bog, by
A. I. Ivitskiy, 19xx.

RUSSIAN, bk, Trudy Ak Nauk Belorussiya SSR, ~~Monsk.~~
Instytut Meliyaratsyi, Vodnai i Balotnai
Haspadarki, Vol VIII, 1958, pp 35-54. 92125 90
92/2816

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Sci
14 Feb 63
Vol VIII, No 11

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Investigation of Field Water Capacity of BSSR Peat Soils Under Sprinkling Irrigation, by M. V. Makovskiy.

RUSSAIN, bk, Trudy Ak Nauk Belorussiya SSR, Minsk, Instytut Meliyaratsyi, Vodnai i Balotnai Haspadarki, Vol VIII, 1958, pp 142-154. 92125?9

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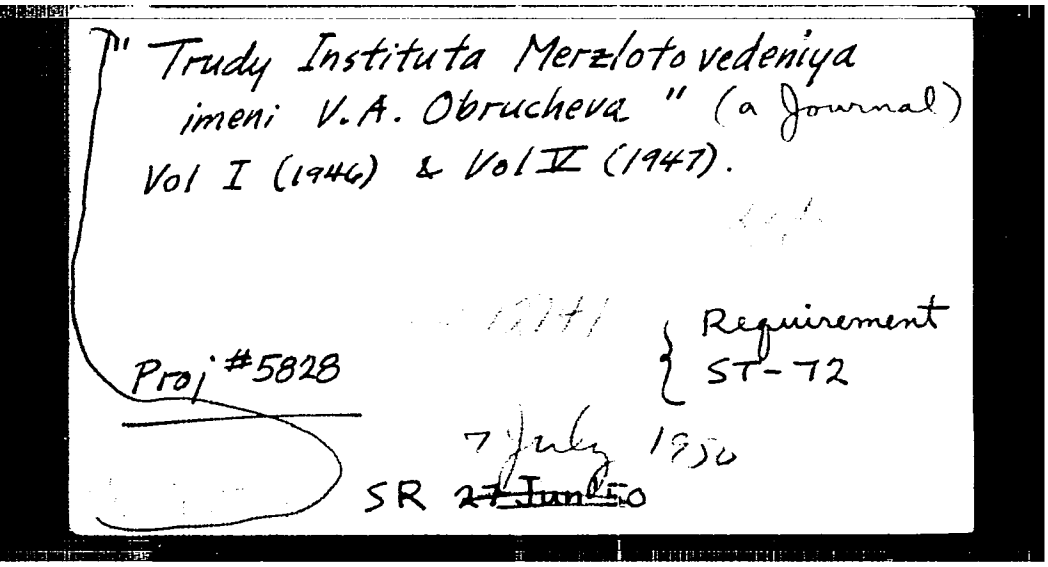

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Agency: U.S.Army Cold Regions Res.& Eng.Lab.
R-1433S-E
P.O.no. 72-T-36 19 Jan 72

Title: Raschet osadki protaivaiushchego sloia gornoi porody s uchetom nagruzki (Calculation of the settling of frozen ground on thawing)

Author: Zhukov,V.F.

Source: Trudy Inst.Merzlotovedeniia im.V.A. Obrucheva 14:60-63,1958.

Language: Russian

Spec.instr. Please translate & type 1 copy

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